



# भारत का राजपत्र

## The Gazette of India

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No. 23] NEW DELHI, SATURDAY, JUNE 9, 1979 (JYAISTHA 19, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2 PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 9th June 1979  
CORRIGENDUM

In the Gazette of India, Part III Section 2 dated the 25th November 1978 under the heading "Patents sealed" delete 143208.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

3rd May, 1979

- 450/Cal/79. C. F. Rapp and N. I. Boling. Solar cells and collector structures.
- 451/Cal/79. Maschinenfabrik Rieter A.G. A cleaning blade for rotatable, smooth rollers on spinning machines. (May 4, 1978).
- 452/Cal/79. Stopinc Aktiengesellschaft. Sliding closure for the outlet on containers containing molten metal.
- 453/Cal/79. Siemens Aktiengesellschaft. Control unit for a converter.
- 454/Cal/79. Siemens Aktiengesellschaft. Monitoring circuit for a plurality of lamps.

1-97 GI/79

4th May, 1979

- 455/Cal/79. Polysar Limited. Low benzene butadiene polymerization. (May 8, 1978).
- 456/Cal/79. Akzo N. V. Composite yarn and method of manufacture.
- 457/Cal/79. Societe D'Etudes Scientifiques Et Industrielles De α. Ite-De-France. Process for the preparation of N-(1-allyl-2-pyrrolidylmethyl)-2, 3-dimethoxy-5-Sulfamoyl benzamides and derivatives thereof. [Divisional date August 23, 1977].
- 458/Cal/79. M. M. Walia. Composite portable multipurpose rack.
- 459/Cal/79. Vsesojuzny Gosudarstvenny Institut Nauchno-Issledovatelskikh i Proektnykh Robot Agneupornoi Promyshlennosti. Device for guniting the lining of casting ladles.
- 460/Cal/79. Fertilizer (Planning and Development) India Ltd. A process for beneficiation of rock phosphate (low grade) with a view of enriching the phosphate content and upgraded rock phosphate so obtained.
- 461/Cal/79. Prerovske Strojirny, Narodni Podnik. Method of and arrangement for preheating and calcination of powder material for manufacture of cement.
- 462/Cal/79. Siemens Aktiengesellschaft. Circuit arrangement for the formation of periodic pulse patterns.

- 463/Cal/79. Siemens Aktiengesellschaft. Support frame-work for electrical or electronic equipment.
- 464/Cal/79. Siemens Aktiengesellschaft. Static frequency converter.
- 465/Cal/79. P. Batabyal. A burning gas, which has get wide applications.
- 466/Cal/79. M. R. Martins. Orthopaedic mattress.
- 467/Cal/79. Dr. Siddhartha Ray. Double beat valve type flow controller.

5th May, 1979

- 468/Cal/79. Amsted Industries Incorporated. Truck for railroad.
- 469/Cal/79. Pilkington Brothers Limited. Improvements in or relating to heating of glass batch material. (May 9, 1978).

7th May, 1979

- 470/Cal/79. Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft. Method of preventing valve bridge cracks in the cylinder head of internal combustion engines as well as apparatus for implementing the method.
- 471/Cal/79. NRM Corporation. Tire press unloader.
- 472/Cal/79. Burroughs Corporation. Device for modification of rom contents by a system selected variable.
- 473/Cal/79. Bikas Kamal Banerjee. Gravity-fed wickless stoves.

8th May, 1979

- 474/Cal/79. Vsesojuzny Nauchno-Issledovatel'skiy i Proektny Institut Aljuminiovoi, Magniovoi i Elektrodoj Promyshlennosti. Evaporator.
- 475/Cal/79. Diamond Shamrock Corporation. Process for the chloromethylation of polymers for the production of anionic exchange resins.
- 476/Cal/79. Nissan Chemical Industries Ltd. Improved process for polymerizing ethylene.
- 477/Cal/79. Inter Ocean N.V. Check valve and method of manufacturing said check valve.
- 478/Cal/79. Veb Polygraph Leipzig. Sliding bearing for cylinders.
- 479/Cal/79. Texaco Development Corporation. Conversions of solid fuels into fluid fuels.

9th May, 1979

- 480/Cal/79. Amitava Ghosh Dastidar. New Techniques of reducing hydrostatic pressure.
- 481/Cal/79. Maschinenfabrik Rieter A.G. Method of monitoring the operating conditions of a ring spinning machine and apparatus for carrying out the method. (May 10, 1978).
- 482/Cal/79. CPC International Inc. Wet milling process for refining whole wheat.
- 483/Cal/79. Burroughs Corporation. Self-contained relocatable memory subsystem.

#### APPLICATION FOR PATENTS FILED AT THE (DFLHI BRANCH)

2nd April, 1979

- 217/Del/79. Director General, Cement Research Institute of India. A precalcinator for use with a rotary kiln. [Addition to No. 99/Del/79].
- 218/Del/79. A. C. Barnes and C. E. Barnes. Polymerization of 2-pyrrolidone with alkali metal pyrrolidones and quaternary ammonium salts.
- 219/Del/79. Superba S.A. Home knitting machine.

- 220/Del/79. Compagnie Universelle D'Acetylene ET D'Electro-Metallurgie. Improvements in or relating to a method for obtaining iron-based alloys allowing in particular their mechanical properties to be improved by the use of lanthanum and iron-based alloys obtained by the said method.

- 221/Del/79. P. S. Sawhney. A process of wall and roof construction.

4th April, 1979

- 222/Del/79. G. D. Societa Per Azioni. Device for forming and transferring batches of products in automatic wrapping machines.

6th April, 1979

- 223/Del/79. Council of Scientific and Industrial Research. Improvements in or relating to automatic knitting machines.

- 224/Del/79. Singh and Associates. Improvements in or relating to rotary shearing machine for cropping ends of bars sections and scrapping of bars or other section in rolling mills.

- 225/Del/79. Singh and Associates. Improvements in or relating to wire or rod coil collector.

- 226/Del/79. Singh and Associates. Escapement repeater for automatic rolling of angle sections of steel.

- 227/Del/79. Singh and Associates. Powder cutting equipment for stainless steel.

7th April, 1979

- 228/Del/79. Poclairn Hydraulics. Radial piston fluid engine.

- 229/Del/79. Chemic Linz Aktiengesellschaft. Process for the treatment of calcium sulphate hemihydrate. [Divisional date May 5, 1977].

- 230/Del/79. J. S. Lawson Baker. Process and apparatus for spraying liquid.

- 231/Del/79. Hartmann and Braun Aktiengesellschaft. A photometric analysis device (November 3, 1978).

9th April, 1979

- 232/Del/79. Sherritt Gordon Mines Limited. Coins and similarly disc-shaped articles.

- 233/Del/79. Stamicarbon B. V. Process for removing melamine from melamine-containing liquids.

- 234/Del/79. Ganesh Scientific Research Foundation. Improvements in or relating to a method of casting billets and slabs of metal and an apparatus therefor.

11th April, 1979

- 235/Del/79. Shri K. B. Lal Wadhwa. Non-drip type shower rose.

- 236/Del/79. Mono Pumps Limited. Internally meshing helical gear pump or motor. (April 26, 1978).

- 237/Del/79. Cavitron Corporation. Ultrasonic resonant aspirator.

12th April, 1979

- 238/Del/79. Synthelabo. Extraction of sennosides.

- 239/Del/79. Castrol Limited. Boron-Silicon compounds suitable for use as hydraulic fluids (April 14, 1978).

- 240/Del/79. Stamicarbon B.V. Process for the recovery of cyclohexanone oxime.

- 241/Del/79. Council of Scientific and Industrial Research. Process for the production of 0-Cresol & 2, 6-xenol.

16th April, 1979

- 242/Del/79. Council of Scientific and Industrial Research. Process for electrochemical preparation of beta phenyl-ethylamine using iron black cathode.
- 243/Del/79. E. R. Squipp & Sons, Inc. Lyophilized hydrocolloid foam.
- 244/Del/79. Stamicarbon B.V. Process for the preparation of cyclohexanone.
- 245/Del/79. Olin Corporation. Chlorate removal from alkali ketal hydroxide.
- 246/Del/79. Basab Material Hantering Aktiebolag. A device for raising and transport of goods.

17th April, 1979

- 247/Del/79. Vandervell Products Limited. Bearings, (April 21, 1978).
- 248/Del/79. Vandervell Products Limited. Railways bearings.

18th April, 1979

- 249/Del/79. Dr. Sukumar Bose, Dr. Krishna Chandra Gupta and Shri L. Singh. A process for the preparation of a sweetner from starch.
- 250/Del/79. R. Singh. A stove operable on any combustible liquid fuel. [Addition to No. 467/Del/78].
- 251/Del/79. Bayer Aktiengesellschaft. An improved method of increasing the adhesion between rubber and textiles or metals. [Divisional date July 5, 1977].
- 252/Del/79. Om Shiv Sharma Bhardwaj. Energy producing machine without using any net energy.

23rd April, 1979

- 253/Del/79. Stamicarbon. B.V. Process for the separation of ammonia and carbon dioxide from mixtures containing ammonia, carbon dioxide and water.
- 254/Del/79. Chemische Fabrik Stochkausen & CIE. Process for the manufacture of  $\alpha$ ,  $\beta$ -unsaturated N-substituted carboxylic acid amides.
- 255/Del/79. Dennison Manufacturing Company. Harnessing device with gripper rails.
- 256/Del/79. F. Gemignani. Apparatus for pressure detection and control of a safety valve.
- 257/Del/79. S. S. Jain. A clutching and declutching device.

## ALTERATION OF DATE

146459.

72/Mas/77.

Post-dated 31st January, 1979.

146461.

125/Del/77.

Ante-dated 29th December, 1976.

146464.

367/Bom/77

Ante-dated 4th January, 1977.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kian Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed of photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 107H.

146451

Int. Cl.-F02m 59/20.

## FUEL PUMPING APPARATUS.

*Applicant*: LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, ENGLAND.

*Inventor*: MIROSLAV KRIZ.

Application No. 1140/Cal/76 filed June 26, 1976.

Convention date July 5, 1975/(28434/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A fuel pumping apparatus for supplying fuel to a super-charged compression ignition engine the apparatus comprising an injection pump including a control member movable axially to vary the rate of fuel supply to the engine, governor means including an operator adjustable member, speed responsive means and a governor spring for determining the setting of the control member and the apparatus further comprising a housing, a stop member movably mounted in a wall of the housing said stop member being positioned to be engaged by said control member to determine the maximum rate of fuel supply by the apparatus, a pivot carrier mounted in the housing said pivot carrier being movable in the direction of movement of said stop member, a lever pivotally mounted on said pivot carrier, one end of said lever defining a cam surface engageable with said stop member to determine the position thereof, a fluid pressure operable member connected to the other end of said lever, means whereby in use, said member can be subjected to the pressure of air in the air inlet manifold of the associated engine, first resilient means opposing movement of said fluid pressure operable member by said air pressure, and resilient means biasing said pivot carrier, said second resilient means being deflected by force exerted by the governor spring to modify the maximum rate of fuel supply under certain operating conditions of the engine.

CLASS 69B &amp; F, &amp; 206F.

146452.

Int. Cl.-H01h 65/00.

## IMPROVEMENTS IN SOLID STATE SWITCHING SYSTEMS FOR EMERGIZING SOLENOIDS.

*Applicant*: SPERRY RAND CORPORATION, OF CROOKS AND MAPLE ROADS, TROY, STATE OF MICHIGAN 48084, UNITED STATES OF AMERICA.

*Inventor*: GEORGE ALAN MCCONNELLY.

Application No. 1956/Cal/76 filed October 27, 1976.

Convention date September 3, 1976/(260, 495/76) CANADA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A solid state switching system for rectifying and modulating the application of direct current from an alternating current source to a pair of alternately energizable solenoids for

operating a directional valve, the switching system comprising a power circuit for each solenoid each power circuit containing a pair of silicon controlled rectifiers and a pair of diodes connected in a bridge to supply a full wave rectified current to the solenoid, a common trigger circuit coupled to each power circuit at the silicon controlled rectifier half of the bridge and comprising a first silicon bidirectional trigger diode control circuit for providing a triggering pulse to the power circuit early in the cycle to provide full voltage to the solenoid, a second silicon bidirectional trigger diode control circuit for providing a triggering pulse to the power circuit late in the cycle to provide a low voltage to the solenoid, and timing circuit including a transistor connected to disable the first trigger diode control circuit when the transistor is biased to the on state and means for delaying the application of a bias to the transistor, the timing circuit being connected to the power circuits through opposing diodes whereby energizing either power circuit will energize the timing circuit without energizing the other power circuit.

CLASS 63E. 146453.

Int. Cl.-H02k 9/00.

END CAP BAFFLE STRUCTURES FOR REVERSE FLOW COOLED DYNAMOELECTRIC MACHINE.

*Applicant* : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY, NEW YORK, UNITED STATES OF AMERICA.

*Inventors* : ANTHONY FRANCIS ARMOR AND DAVID HOLLISTER WINNE.

Application No. 2204/Cal/76 filed December 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims

A reverse flow cooled dynamoelectric machine comprising a gas-tight casing containing cooling gas; a stator disposed within said casing and including a core of stocked laminations having axially spaced radially extending cooling passages disposed therein, the end regions of said core comprising radially foreshortened laminations with inboard ends progressively further removed from the axis thereof providing an array of progressively stopped laminations and

a rotor disposed within said stator and spaced therefrom by a gas gap; fan means disposed in said casing for the circulation of the cooling gas; characterized in that a baffle is disposed in said gap and spaced from said stepped laminations for directing a flow of cooling gas flowing axially outwardly from said gas gap to said end regions across said laminations and for increasing the velocity of flow of cooling gas across said stepped laminations, and said baffle includes an annular member having outer face spaced from and generally parallel to the inboard edges of said stepped laminations.

CLASS 70A & C. 146454.

Int. Cl.-C22d 1/06.

ELECTROLYTIC CELL SUITABLE FOR THE PRODUCTION OF ALUMINIUM BY ELECTROLYSIS.

*Applicant* : SWISS ALUMINIUM LTD., OF CHIPPIS (CANTON OF VALAIS), SWITZERLAND.

*Inventor* : THEODOR TSCHOPP.

Application No. 683/Cal/77 filed May 9, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

An electrolytic cell suitable for the production of aluminium by electrolysis, the cell including anodes positioned at a distance from a carbon lining of the floor of the cell in which cathode bars are embedded, wherein spaced between the carbon lining and each of the cathode bars being alternately filled up with electrically conductive layers and electrically non-conductive layers, said electrically conductive layers being of decreasing length from the centre of the cell to the sides of the cell.

CLASS 32E.

146455.

Int. Cl.-C08f 45/26.

A PROCESS FOR MAKING A SELF-EXTINGUISHING POLYMERIC MATERIAL.

*Applicant* : SNIA VISCOSA SOCIETA NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA S.P.A., 18, VIA MONTEBELLO, MILANO, ITALY.

*Inventors* : ALDEMARO CIAPERONI AND ANTONIO CUCINELLA.

Application No. 1280/Cal/77 filed August 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

A process for making a self-extinguishing polymeric material based on a polymer chosen from the group consisting of synthetic polymers, in particular polyamides, copolyamides, polyesters, and copolyesters, artificial polymers, in particular on a regenerated cellulose base, and natural polymers, in particular cotton, characterised by the fact that an additive is being added to the polymeric material either during polymerization or immediately after polymerization, the addition being one or more products (A) derived from the reaction of melamine and of at least one compound having an acidic character chosen from the group comprising an organic acid as hereinbefore described, an anhydride of an organic acid as hereinbefore described, and an inorganic acid as hereinbefore described, preferably in the presence of water wherein in the case that the polymer is a polyamide, said product (A) may be further modified by reacting with caprolactam and that the product (A) in an amount from 0.5% to 30% by weight during the polymerization of monomers capable of yielding polyamides and/or copolyamides or polyesters and/or copolyesters.

CLASS 180.

146456.

Int. Cl.-F24b 13/00.

A STOVE.

*Applicant & Inventor* : MRS. SHAKUNTALA RAMCHANDRA DANDEKAR, OF L-40, BADHWAR PARK, COLABA, BOMBAY-400 005, MAHARASHTRA, INDIA.

Application No. 46/Bom/78 filed February 16, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 8 Claims

A stove consuming fire-wood, coal, coke, charcoal, cake of dung i.e. Gobar or any other similar solid fuel, consisting of a grate surrounded by a jacket supported at an elevation from floor level by being caged within a tripod resting on floor, and characterised by having a contrivance to provide an automatic blast to said stove; said contrivance consisting of a conic bottomed boiler housed within said jacket; said boiler being filled up with a water absorbent non-combustible powdery substance which is inert to cyclic heating and cooling—such as ash—and having an inlet pipe with one open end located within said boiler, and other open end located outside said jacket and turned upwards to facilitate admission of water into said boiler, and provided with a removable gas-tight stopper; said boiler also having an outlet pipe with one open end located within said boiler, and other open end located—a little above floor-level and beyond imaginary screen of downward vertical projection of periphery of said jacket—and provided with another gas-tight stopper; said outlet pipe passing through said grate towards floor and then turning to become parallel to floor and then turning to become parallel to floor and pass across from beneath conic bottom of said boiler; further, said outlet pipe having a fine orifice located beneath conic bottom of said boiler, so that complete contrivance is such that after sequentially.

- admitting water into said boiler,
- closing inlet pipe by first-said gas-tight stopper,
- kindling fuel placed over said grate, and

(d) closing outlet pipe by second-said gas-tight stopper, a jet of steam issues from said fine orifice towards bottom of said grate to provide said automatic blast to said stove

CLASS 31A & 34A

146457

Int Cl-B29d 7/00, H01g 3/00

EQUIPMENT AND METHOD FOR THE MANUFACTURE OF SIMULTANEOUSLY BIAXIALLY-ORIENTED THERMOPLASTIC FILMS

*Applicant* LAMINA INDUSTRIES PRIVATE LIMITED OF 21, INDUSTRIAL ESTATE, POLOGROUND, INDORE, MADHYA PRADESH, INDIA

*Inventors* DINKAR SADASHIVA DEODHAR AND HARINDRA CHUNIBHAI PATEL

Application No 255/Bom/75 filed September 18, 1975

Complete Specification left 24th August, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

#### 17 Claims

An equipment for the manufacture of simultaneously biaxially-oriented organic thermoplastic films, said equipment comprising an extruder, a circular die or extrusion die coupled to said extruder and provided with an adapter and an upright elbow coupled to said adapter for forming a flow passage or channel which bends upwardly from a horizontal disposition to allow the extruded material from the extruder to flow upwardly and out at the die opening in the shape of a hot tube, said extrusion die including means to prevent non-uniformity in the flow of the extruded material and determine the thickness of the extruded material of the die opening and resistance heaters with thermocouples to maintain the extrusion die at an uniform preselected temperature a system for inflating said hot tube extruded at the die opening of said extrusion die and for removing monomers and other gases found inside the balloon, said system comprising a pair of feed tubes and a common exhaust tube one end of each of which is locatable at said die opening while the other end of each of said feed tubes is independently connectable to a filtered pure gas supply source through a one-way valve and the other end of said exhaust leads to an exhaust sink, one of said feed tubes being provided for feeding pure gas into the hot extruded tube for inflating it into a balloon and the other of said feed tube being provided for admitting into said extruded tube a uniform stream of pure gas at a rate matching the rate at which the gas flows out of said common exhaust tube, an external cooling ring disposed around said hot tube and in the proximity of said die opening for cooling the hot tube immediately it emerges at the die opening and for sending an upwardly rising flow of cooling gas along the sides of the inflated hot tube so that a descending temperature gradient is established around the hot inflated balloon, said external cooling ring comprising an annular chamber provided with one or more baffles, a plurality of radial feed tubes provided around the outer periphery of said annular chamber for feeding air therinto, at least one radial discharge outlet or opening provided along the entire inner periphery of said annular chamber for discharging air from said annular chamber onto said extruded tube, cooling means associated with said annular chamber for maintaining the air discharge at said radial discharge outlet or opening at a predetermined low temperature the external end remote from said annular chamber of each said radial feed tubes being connectable through an air diffuser means for supplying filtered air at variable speeds, a deflating device for collapsing the inflated balloon and comprising a pair of oppositely-disposed vertical boards having parallel upper parts and mutually diverging lower parts so that an inverted funnel-shaped passage for the inflated balloon is formed, a plurality of spaced-apart transverse openings provided in each board and covered by a heater cover, and a plurality of far infra red heaters located on the outer side of each said board and in line with each said transverse openings so that far infra red radiation is applied to the inflated balloon through each said transverse opening blower means disposed above said deflating device and provided with filter means and means for ionizing air so that the film can be cooled and static charges thereon neutralized first set of nip rolls for pulling the film up through said deflating device a set of grooved rolls provided with means for trimming the edges of the collapsed film or lay flat tubing, a second set of nip rolls

for tensioning the collapsed film or lay flat tubing, means for separating the trimmed waste including static eliminators for neutralizing static charges on the film, collection stations for collecting film, and means for a downwardly directed laminar flow of pure filtered air in the room where maintaining/the equipment is installed

CLASS 32E

146458

Int Cl C08g 5/06 & 5/10

IMPROVEMENTS IN OR RELATING TO THE PREPARATION OF RESINS BASED ON POLYPHENOLIC COMPOUNDS

*Applicant* THE WESTERN INDIA PLYWOODS LTD, 01 BALIAPATAM, KERALA STATE, INDIA,

*Inventors* DR RAMAMURTI NANDAKUMAR, CHALIKOTTUMMAL ABDURAHIMAN AND KELOTH KUNHAMMED KUTTY

Application No 243/Mas/76 filed December 6, 1976

Complete Specification left December 6, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch

#### 13 Claims

A method for preparing an improved resin which method comprises forming a reactant stream comprising a solution of mono-and/or polyphenols in formalin, pumping the said reactant stream into an over head tank from which it is fed in measured quantities to a reactor provided with a condenser, a stirrer and an outlet, the residence time of the reactants in the condenser being so adjusted as to effect the required extent of condensation reaction to take place, cooling and collecting the resinous product formed and coming out through the outlet

CLASS 129A & E & G & J

146459.

Int Cl B21b 1/38 & B21c 1/00

A METHOD OF MANUFACTURE OF METALLIC MEMBERS FROM DIFFERENT METALS IN INTEGRAL LAYER FORM

*Applicant & Inventor* DEVENDRA HIRALAL VELCUMSEE OF NO 123 MOUNT ROAD, MADRAS-600 006, TAMIL NADU, INDIA

Application No 72/Mas/77 filed April 20 1977

Post dated 31st January 1979

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch

#### 5 Claims

A method of manufacture of metallic members from different metal alloys in integral layer form comprising the steps of preparing at least one bar of the desired shape from a first metal alloy and at least one other bar of the desired shape from a second metal alloy, placing the bars in close contactual juxtaposition and joining them integrally by means of a predetermined quantity of a third bonding metal alloy, the relative positions of the bars so placed before joining being predetermined by their respective shapes and by the desired shape of the joined bars characterised in that the first metal alloy is selected from the following alloys, namely, Ag Cu, Ag-Pd Au Cu Pt-Ag, Ag-Cd, Au-Ag, Pt Pd, Ag Mn Pd, Cu-Mn Pd the second metal alloy is selected from the following alloys namely, Cu-Sn Zn Cu Ni, Cu Ni-Zn Sn Cu-Ni-Zn-Sn-Pb Fe and the third bonding metal alloy is selected from the following alloys, namely Ag-Cu Zn, Ag Cu Sn Zn, Cd Au Cu-Zn and further characterised in that the third bonding metal alloy is disposed between the bars in the form of a layer and the joined bars, are rolled, before drawing and/or forging them into sheets until the said layer is ultimately reduced in thickness of less than 50 microns, the sheets being thereafter cut into metallic members of the desired shape.

CLASS 129C, 146460.

Int. Cl.-E21c 15/00.

A SHANK ROD FOR USE WITH PNEUMATIC DRILLS.

*Applicant & Inventor*: MAMARTHAPALAYAM NANJAPPA GOUNDER KARUPPANA GOUNDER, C/o, NATARAJA WORKSHOP, KUNNATHUR-638193, (VIA) ERODE, COIMBATORE DISTRICT, TAMIL NADU, INDIA.

Application No. 73/Mas/77 filed April 22, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 2 Claims

A sleeve, for use with a pneumatic drilling machine comprising a threaded bore at one end thereof engageable with a drill bit or an extension shaft of a drill bit, the other end thereof being receivable within the pneumatic drilling machine; a passage one end of which communicates with the bore, while its other end opens out on the periphery of the sleeve and is accessible for feeding water thereinto; and a coupling flange disposed in between the said ends for coupling it to the pneumatic drilling machine.

CLASS 18 &amp; 131A, 146461.

Int. Cl.-B01j 3/00.

A PROCESS FOR THE PREPARATION OF AN OIL BASED DRILLING MUD.

*Applicant*: OIL AND NATURAL GAS COMMISSION, INSTITUTE OF PETROLEUM EXPLORATION, KAULAGARH ROAD, DEHRA DUN, INDIA.

*Inventors*: SURENDRA MANI SHARMA, KANWAL KRISHAN GIRIDHAR AND DR. RAJENDRA PRASAD META PRASAD MATHUR.

Application No. 125/Del/77 filed June 3, 1977.

Division of Application No. 77/Del/76 filed December 29, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 3 Claims. No drawings.

A process for the preparation of an oil based drilling mud which consists in adding at least a first emulsifier to a mineral oil, such as high speed diesel oil, stirring the mixture and then adding water thereto the ratio of water by volume to bitumen present in said solution by weight varies between 1 : 1 to 1 : 3, said first emulsifier being prepared by a process of copending Patent Application 144648.

CLASS 172C, 146462.

Int. Cl.-D01g 19/00

IMPROVED METHOD OF CARDING.

*Applicant*: GUNTER & COOKE, INC., OF POST OFFICE DRAWER 15220 DURHAM, NORTH CAROLINA 27704, UNITED STATES OF AMERICA.

*Inventors*: JOSEF KARL GUNTER, THOMAS RAY-JONES AND PHILLIP EUGENE DABBS.

Application No. 267/Del/77 filed September 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 2 Claims

The method of carding cotton and synthetic fiber feed stock which comprises operating the lickerin at a speed in the range of about 1,400 to 2,000 r.p.m. and the cylinder at a speed such that the lickerin surface speed is in the order of 90% of the cylinder surface speed, while employing the increased centrifugal force available at such lickerin speeds to remove any heavy trash particles from the feed stock below the lickerin and controlling the air currents generated by

lickerin and cylinder operation at such speeds at points above the lickerin so that the stock being fed for carding is predominantly freed of undesirable short fiber together with fine trash and dust particles present but so that usable fiber contained in the feed stock is predominantly retained on the lickerin and cylinder roll surfaces.

CLASS 126C.

146463.

Int. Cl.-G01r 23/00.

A DIGITAL FREQUENCY METER.

*Applicant*: INDIAN INSTITUTE OF TECHNOLOGY, I.I.T.P.O., MADRAS-600036, TAMIL NADU, INDIA.

*Inventors*: RAMAN KALYANA KRISHNAN, PERIASAMY KARIVARATHARAJAN AND SUNDARAM HARIKUMAR.

Application No. 37/Mas/77 filed February 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 2 Claims

A digital frequency meter for measuring the instantaneous frequency of a signal in the low frequency region of a time period  $T$  comprising in combination a time to voltage converter for producing a voltage  $V_{in}$  proportional to the time period  $T$ ; an integrator connected to the said converter; a comparator (connected to the said integrator) with a clock of frequency  $F$  for producing a voltage of waveform comprising a linearly rising portion reaching the value  $V_m$  and a linearly falling portion reaching the value zero, the said linearly rising portion being obtained by the integration of a reference voltage  $V_{REF}$  over a period  $T$ , fixed by a predetermined number of cycles of the clock, and the said linearly falling portion being obtained by the integration of the voltage  $V_{in}$  over a period  $T$ , measured by the clock; a digital readout connected to the said comparator for registering the period  $T_s$ , as measured by the clock, to furnish the frequency of the signal.

CLASS 128C &amp; H.

146464.

Int. Cl.-A61b 10/00, 17/42.

INTERCERVICAL CONTRACEPTIVE DEVICE.

*Applicant & Inventor*: BEHZAD DARAN SHROFF, ALLI MANZIL, TURNER ROAD, BANDRA BOMBAY-50, (P.O. BOX 448, FREMANTLE, W. AUSTRALIA 6160).

Application No. 367/Bom/77 filed December 29, 1977.

Division of Application No. 4/Bom/77 filed January 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 3 Claims

An inter cervical contraceptive device comprising a tubular member open at each end and adapted to be positioned in the cervical canal and having a valve member incorporated therein which allow body fluids to pass from the uterine cavity into the vagina but not in the reverse direction and as substantially as herein described and as shown in Fig. 1.

CLASS 27-I &amp; 161D.

146465.

Int. Cl.-E01c 23/00.

AUTOMATIC PLANER TO PLANE GROUND SURFACE.

*Applicant*: VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY INSTITUT ZEMLEROBNOGO MASHINOSTROENIA, I KRASNOARMEISKAYA, II, LENINGRAD, USSR.

*Inventors*: (1) MIKHAIL LEBOVICH FAIZILBER (2) EDUARD NIKOLAEVICH KUZIN, (3) GENNADY IVANOVICH TIMOFEEV, (4) SEMEN SEMENOVICH ROITERSHILIN, (5) JURY STEPANOVICH KOZLOV, (6) VIADIMIR FEDOROVICH KOROLIN, (7) NIKOLAI VASILIEVICH DMITRIEVSKY, (8) IGOR PETROVICH BRATYSHEV, (9) FEDOR EVSTAFIEVICH OMELIAN

(10)EFIM IOSIFOVICH SHEINIS, (11) VLADIMIR GRIGORIEVICH PAK, (12) VLADIMIR IVANOVICH ROMANOV, (13) ZALMAN EREMEVICH GARBUSOV, (14) GRIGORY BORISOVICH NARFT

Convention date August 12, 1975/(33464/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

Application No. 684 Cal/76 filed April 21, 1976.

5 Claims.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

12 Claims.

An automatic planer for planning the surface of ground by keeping automatically constant the angle of inclination of the rear frame in relation to the horizon, to automatically increase the scoop capacity by backward movement of the rear wall of the scoop in response to the increased volume of accumulated earth inside the scoop and to automatically adjust the planning action with the change of traction speed, the planer comprising hinged fore and rear frames, a scoop with a cutting edge, running gears, a mechanism for engagement of the prime mover engine clutch, electrohydraulic distributors and a dip angle pickup, the dip angle pickup being connected by means of said electrohydraulic distributors to hydraulic cylinders joining the fore and rear frames and automatic adjustment of them in response to the ground profile, the said scoop mounted on the fore frame side walls joined by a bottom plate and a rear wall slidably mounted running parallel to the bottom plate, and actuated by another hydraulic cylinder, which is in its turn connected by an electrohydraulic distributor to a further ground level pick-up placed in front of the scoop cutting edge for automatic adjustment of the scoop rear wall in response to the volume of accumulated earth inside the scoop

A light metal piston for an internal combustion engine or a compressors having a crown, a skirt and gudgeon pin bosses, and two inserts made of a material of lower coefficient of thermal expansion than the light metal and shaped so that at least part of the insert conforms to the internal shape of the piston skirt, each insert having two pairs of elongated bands, the bands extending part way only around the interior of the piston from the regions of the gudgeon pin bosses, each elongated band forming a bimetallic element with the light metal one band of each said pair being nearer to the piston crown and the other band of each said pair being nearer to the open end of the piston skirt, the bands of each said pair being spaced apart and being joined by a connecting portion of the insert at least partially embedded in the adjacent gudgeon pin boss, the two pairs of bands of each insert having their connecting portions joined to one another by a further portion of the insert, the bands nearer the piston crown being substantially longer than those nearer to the open end of the piston skirt, said bands forming distinct bi-metallic elements with the light metal, the longer bands controlling the thermal expansion of the portion of the skirt nearer the piston crown, and the shorter bands controlling the thermal expansion of the portion of the skirt nearer the open end.

CLASS 32F, & F.a & 55F,

146468.

Int Cl-C07c 9/06

A PROCESS FOR THE SYNTHESIS OF SUBSTITUTED TETRAPHENYLETHANES

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA

*Inventors*: RAMAN NARAYANA IYER, RAGHAVA GOPALCHARI AND VED PRAKASH KAMBOJ.

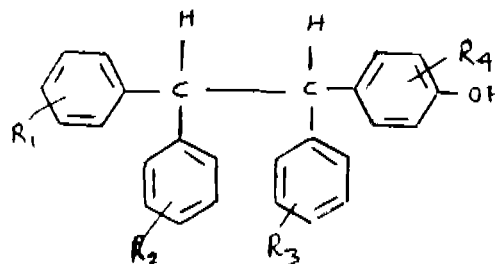
Application No. 1697/Cal/76 filed September 15, 1976

Complete Specification left December 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

1 Claim.

A process for the synthesis of substituted tetraphenylethanes of the general formula IV.



wherein R is a dialkylaminoalkyl group selected from  $\beta$ -diethyl-aminoethyl,  $\beta$ -pyrrolidinoethyl of  $\gamma$ -diethylaminopropyl and wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> are the same or different atoms or groups selected from hydrogen, methyl, methoxy,

CLASS 149A & E

146466

Int Cl-E02d 7/00.

IMPROVEMENTS IN OR RELATING TO RIGS FOR DRIVING PILES, IN-SITU CASTING OF CONCRETE PILLS FOR UNDER-REAMING AND FOR DISCHARGING LIQUID FUNCTIONS.

*Applicant*: METAL ENGINEERING & TREATMENT CO. OF 235/2, BIPIN BEHARI GANGULY STREET, CALCUTTA-700012, WEST BENGAL, INDIA

*Inventor*: ACHYUT GHOSH.

Application No. 1088/Cal/76 filed June 19, 1976.

Complete Specification left September 19, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

3 Claims

A rig of the kind herein described, the tower whereof is supported on the base member and is rotatable about a horizontal shaft provided on said base member so that for operational purposes it can be set up vertically or with a rake angle on said base member and for dismantling and transport purposes it can be rotated into a horizontal position, including an augering attachment and/or an under-reaming attachment said under-reaming attachment comprising an auger connectible at the lower end of said Kelly bar and an augering drive for rotating the Kelly bar

CLASS 107G & 175H

146467.

Int Cl-F16j 1/04, 1/06.

PISTONS

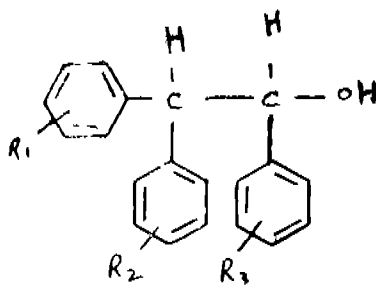
*Applicant*: HEPWORTH & GRANDAGE LIMITED, OF SA. JORN'S WORKS, BRADFORD, BD4 8TU, YORKSHIRE, ENGLAND.

*Inventor*: EDWARD COCKROFT.

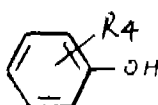
Application No. 1341/Cal/76 filed July 27, 1976.

fluoro, chloro, nitro or dimethylamino and involves the following steps:—

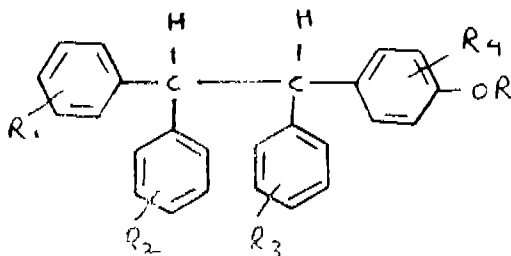
(a) a tri-substituted phenylethanol of the general formula I.



is reacted with a *ortho* or *meta*  $R_4$ -substituted phenol of the general formula II.



$R_1$ ,  $R_2$  and  $R_3$  in formula I and  $R_4$  in formula II being the same or different atoms or groups selected from hydrogen, methyl, methoxy, fluoro, chloro, nitro or dimethyl-amino, in the presence of a catalyst selected from aluminium chloride, aluminium bromide or boron trifluoride, using a reaction medium like benzene, methylene chloride or nitrobenzene, to give a phenolic tetraphenylethane of the general formula III.



wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$  are either the same or different atoms or groups selected from hydrogen, methyl, methoxy, fluoro, chloro, nitro or dimethylamino,

(b) the phenolic tetraphenylethane of the general formula III obtained from step (a) above is alkylated by refluxing with dialkylamino-alkylhalide hydrohalides and potassium carbonate in acetone to give a substituted tetraphenylethane of the general formula IV, as shown in the accompanying drawing.

CLASS 172D.

146469.

Int. Cl.-D01h 7/24.

FLYER FOR USE IN TEXTILE SPINNING OR TWISTING FRAMES.

*Applicant & Inventor*: LAXMANBHAI GORDHANDAS RATHOD, OF 28, EZRA MANSIONS, CALCUTTA-700069, WEST BENGAL, INDIA.

Application No. 1135/Cal/77 filed July 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A flyer for use in textile spinning or twisting frames comprising a transverse upper member having a head provided integrally with a pair of oppositely depending legs or wings said head having a bore therethrough adapted to engage a tubular drive socket or hub characterized in that the outer periphery of said hub and the bore of said head is so shaped

as to prevent relative movement between said hub and said head, the bore of said head and said hub having at least one truncated segment and a diameter larger at one end than at the other end thereof, said hub being adapted to receive and locate the head of a drive spindle by means of a locating pin disposed across the bore of said hub.

CLASS 32F6c.

146470.

Int. Cl.-C07c 61/00.

PROCESS FOR THE PREPARATION OF NEW 2-AMINO-CYCLOPENT-1-ENE-1-THIO-CARBOXYLIC ACID-DISULFIDES.

*Applicant*: RICHTER GEDEON VEGYESZETI GYAR RT., OF 21, GYOMOROI U., BUDAPEST X, HUNGARY.

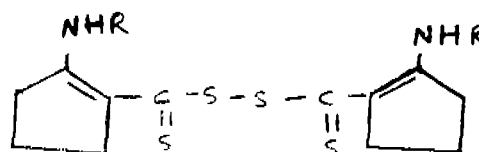
*Inventors*: DR. GYORGY MATOLCSY, PIROSKA BARTOK NEE BERENCSEY, BELA KISS, DR. EVA PALOSI, DR. EGON KARPATI AND DR. LASZLO SZPORNY.

Application No. 1772/Cal/77 filed December 27, 1977.

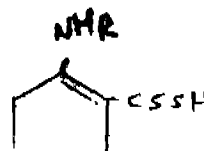
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A process for the preparation of a 2-amino-cyclopent-1-ene-thiocarboxylic acid-disulfide of the general formula (I).



wherein R is hydrogen, a C1-6 alkyl group having optionally a C1-4 alkoxy, hydroxy, carboxy and/or amino substituent, a C2-4 alkenyl group, a C3-8 cycloalkyl group of phenyl group, characterized in that a 2-amino-cyclopent-1-ene-dithiocarboxylic acid of the general formula (II).



wherein R is defined above, is oxidized in a known manner.

CLASS 55E.

146471.

Int. Cl.-A61k 9/06, 27/00.

METHOD OF MAKING A NOVEL BURNICIDE CREAM FOR BURNS AND SCALDS.

*Applicant & Inventor*: SMT. SAROJ VERMA, W/o, DR. SUKH PAL SINGH VERMA, MEDICAL OFFICER I/C, CANAL HOSPITAL HARDWAR, DISTT-SAHARANPUR, U.P., INDIA.

Application No. 4/Del/77 filed January 5, 1977.

Complete specification left October 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims. No drawings.

A process of preparing burnicide cream comprising a synergistic composition containing as active ingredients zinc oxide, camphor and bitumen (extract of sal tree-shorea robusta) in a carrier base such as sesame oil, which comprises mixing together finely ground zinc oxide, camphor and bitumen with the carrier base in the proportions of 1:1:1:4



by weight to obtain a semi-liquid mass, pouring fresh water over said mass, stirring until the semi-liquid mass becomes viscous and removing the supernatant water e.g. by decantation from the viscous mass and repeating the process of stirring said mass with water and removing supernatant water until a smooth creamy and butter-like mixture results.

CLASS 182A.

146472.

Int. Cl.-C13d 1/00.

## A BEET DIFFUSER.

*Applicant:* WAICHANDNAGAR INDUSTRIES LTD., OF P. O. WAICHANDNAGAR 413114, DIST-POONA, MAHARASHTRA, INDIA.

*Inventors:* ANIL CHANDRA CHATTERJEE AND SUDHIR SINGH THAKUR.

Application No. 213/Bom/76 filed July 3, 1976.

Complete specification left August 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

## 5 Claims.

A beet diffuser comprising a steam jacketed cylindrical diffuser shell inclined at an angle between 5° to 10° relative to the horizontal plane and provided with an inlet hopper located at the lower end top thereof for feeding sliced beet inside said diffuser shell; a water inlet located towards the upper end thereof for feeding water into the shell; a juice inlet also located towards the upper end thereof for feeding return juice into the shell; a juice outlet located at the lower end bottom thereof for discharge of the juice containing the extracted sugar; a pulp outlet located at the upper end bottom thereof for discharge of the spent beet or pulp; a scroll located within and extending axially along the entire length of the shell for driving the beet slices towards the pulp outlet and for ensuring proper mixing of the beet slices with water/diluted juices; said scroll being adapted to be driven by a variable speed D.C. drive located in the proximity of the lower end of said shell; and a motor-driven elevator wheel scoop for scooping the said pulp discharged from the cylindrical diffuser shell.

## PATENTS SEALED

143043 143208 143608 143609 143738 143764 143787 143855  
143967 143977 144000 144020 144528 144529 145027.

## CHEMICAL LIST NO. VII

## COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the patentees in the Statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of Calendar Year 1977 generally on account of want of request for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

S. No.	Patent No.	Date of Patent	Name and Address of Patentee	Brief title of the invention
1	2	3	4	5
1.	135056	25-3-1972	INDIAN PETRO CHEMICALS CORPORATION LIMITED, At P.O. Petrochemicals, Distt.: Baroda-391346, Gujarat, India.	Controlled oxidation of ethylene to ethylene oxide.
2.	135097	29-3-1972	IMPERIAL CHEMICAL INDUSTRIES LIMITED of Imperial Chemical House, Millbank London, SW1P, England.	Reducing amount of primary arylamine impurity in a diarylamine.
3.	135117	1-4-1972	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20.	Preparing fat.
4.	135124	Do.	SNAMPROGETTI S. P. A., of 16 Carso Venezia, Milan, Italy.	Preparation of activated catalytic composition.
5.	135128	3-4-1972	SAINT GOBAIN INDUSTRIES., of 62 Boulevard Victor Hugo, Neuilly-Sur-Seine, France.	Manufacture of fibres from molten thermoplastic material.
6.	135129	Do.	UNILEVER LIMITED, of Unilever House Blackfriars, London, E. C. 4, England.	A blue cheese flavouring composition.
7.	135130	Do.	Do.	A cheese flavouring composition.
8.	135134	Do.	LAPORTE INDUSTRIES LIMITED, of Hanover House, 14, Hanover Square London, W1R 0BE, England.	Beneficiation of Ilmenite ores.
9.	135139	Do.	RHONE-PROGIL, of 6 rue Piccini, 75 Paris, 16e, France.	Bulk polymerising vinyl chloride.
10.	135150	4-4-1972	SHERITT GORDEN MINES LTD., of 25 Kings Street, Toronto, Ontario, Canada.	Reduction roasting nickeliferous laterite ores.
11.	135152	20-4-1972	UNILEVER LIMITED., of Unilever House, Blackfriars, London E. C. 4, England.	Preparation of amino acids.
12.	135163	4-4-1972	MATTHIAS SHMIDT, of 8491, Miltach 82, FRG	Honeycombs made of synthetic plastic materials.
13.	135165	Do.	TEXACO TRINIDAD INC., of 135 East, 42nd Street, New York, State of New York-100017, U. S. A.	Hydrocarbon separation process

1	2	3	4	5
14.	135179	5-4-1972	SHERRITT GORDON MINES LTD., of 2 King street, West, Toronto, Ontario, Canada.	Reduction roasting of nickel bearing ores.
15.	135196	7-4-1972	SOLVAY & CIE, OF 33, Rue du Prince Albert, B-1050, Brussels, Belgium.	Preparation of aqueous solution for washing and bleaching.
16.	135202	20-4-1972	PITMAN MOORE INC., of Fare Haven Road, Washington, crossing, New Jersey, U. S. A.	Obtaining an antigen preparation of equine infectious anaemia virus.
17.	135204	7-4-1972	PEENNWALT CORPORATION, of Pennwalt Building, three Parkway, Philadelphia Pennsylvania 19102, U. S. A.	Purification of gaseous hydrogen chloride.
18.	125213	10-4-1972	C. S. I. R., Rafi Marg, New Delhi-1 India.	Plating on steels with a fine layer of metallic chromium and chromium oxide.
19.	135231	11-4-1972	UNILEVER LIMITED., of Unilever House, Blackfriars, London, E. C. 4, England.	Preparation of an instant tea powder.
20.	135235	Do.	FMC CORPORATION, of 633 third Avenue, New York, State of New York-10017, U. S. A.	Production of coke coated with glanz carbon.
21.	135236	Do.	Do.	Coating of reactive form coke by catalytic deposition of glanz carbon.
22.	135246	Do.	E. I. Du POINT ETC., of Wilmington, U. S. A.	Preparation of improved polyamide fibres and films.
23.	135255	12-4-1972	DEGUSSA of Weissstraenstas, frankfurt (Main), FRG.	Preparation of conc. hydrogenperoxide.
24.	135270	13-4-1972	USS ENGINEERS AND CONSULTANTS INC., of 600 Grant Street, Pittsburgh, State of Pennsylvania, U. S. A.	Low-carbon stainless steels with improved magnetic properties.
25.	135285	20-4-1972	THE WELLCME FOUNDATION LIMITED, of 183-193 Euston Road, London N. W. 1, England.	Preparation of 2, 4, diamino-5-benzylpyrimidines.
26.	135286	Do.	LABAZ, of 39 Avenue Pierre ler de Serbie 39, 75008 Paris, France.	Preparation of new benzofuran derivatives.
27.	135328	19-4-1972	UNILEVER LIMITED of Unilever House Blackfriars, London, E. C. 4, England.	Preparation of instant tea powder.
28.	135360	4-12-1972	SHFEL INTERNATIONAL RESEARCH MAATENAPPEL, B. V., of Carl van Bylstraat 30, 2nd Hague, 2nd Netherlands.	Preparation of one or more oxirane compounds.
29.	135366	19-4-1972	AIEA-LAVAL AKITEBOLAG, Postfach, S-1470 Tumba, Sweden.	Method of bringing about reaction between liquid and gases.
30.	135370	26-4-1972	SNAMTROGETTI S. P. A. of 16 Corso Venezia, Milan, Italy.	Production of aldehydes or ketones.
31.	135378	13-6-1972	THE UPJOHN COMPANY of 201 Henrietta Street, Bloomington, Michigan, U. S. A.	Making derivatives of Lincomycin and its analysis.
32.	135382	15-2-1971	SNAMTROGETTI S. P. A. of 16 Corso Venezia, Milan, Italy.	Polymerising a conjugated diene.
33.	135383	Do.	Do.	Preparing a polyamine of aluminium.
34.	135402	8-6-1972	PHILLIPS PETROLEUM COMPANY, of Bantlesville, Oklahoma, U. S. A.	Conversion of an alkali metal salt of an aromatic carboxylic acid to aromatic polycarboxylate.
35.	135436	27-7-1971	BOHNSON & JOHNSON, of 501, George Street, New Brunswick, New Jersey, U. S. A.	Resin binder compositions useful for binding a fibrous coil.
36.	135465	22-6-1971	ELI LILLY CO., of 307 Mc Carthy Street, Indianapolis, Indiana, U. S. A.	Preparation of novel tetraazole-C1, 5-quinoline compounds.
37.	135477	29-7-1972	UOP INC., at Ten UOP Plaza-Algonquin and Mt. Prospect Roads, Des Plaines Illinois, U. S. A.	Hydrocarbon separation process.
38.	135496	27-6-1972	Do.	Conversion of alkyl-aromatic hydrocarbons to alk nyl-aromatic hydrocarbons.

1	2	3	4	5
39.	135504	2-9-1972	CYANAMID INDUSTRIES LIMITED, of Ny- lon House, 254-02, Dr. Annie B. Sant Road, P.O. Box 9102, Bombay 25 DD, Maharashtra, India.	Preparation of 2-chloroethyltrimethyl ammonium chloride.
40.	135513	13-9-1972	HAROLD ABRAHAM HOFFMAN, of Bayeau Road, New Rochelle, State of New York, U.S.A.	Preparing proteinaceous products.
41.	135539	25-4-1972	SHIMIZU MANZO SHOTEN, of No. 26-16, 1- Chome, Na-gae, Onomichi- Shi, Hiro, Shima-Ku, Japan.	Preparation of water soluble Konjac- mannan.
42.	135540	8-2-1971	CIBA-GEIGY OF INDIA LTD., of Arrey Road, Goregaon West, Bombay-63, Maharashtra, India.	Manufacture of amides.
43.	135544	6-7-1972	UOP INC., at Ten UOP Plaza-Algonquin and Mt. Prospect Roads, Des Plaines, Illinois, U. S. A.	Production of liquified petroleum gas.
44.	135550	11-8-1970	IMPERIAL CHEMICAL INDUSTRIES LTD., of Imperial Chemical House, Millbank, London SW1, England.	Olefin polymerisation.
45.	135581	27-4-1972	UOP INC. at Ten UOP Plaza-Algonquin and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Steam reforming of hydrocarbons.
46.	135851	14-10-1971	THE MEAD CORPORATION, of Talbott Tower Dayton, Ohio 45402, U.S. A.	Conducting chemical reactions between fluid reactants.
47.	135582	9-3-1971	FOSTER GRANT CO. INC., of 289 North Main Street, Leominster Commonwealth of Massachusetts, U. S. A.	Catalytic hydrocracking process
48.	135589	2-6-1972	ARIOS DR. ING., MEIER ETC., of 2 Heimburg-1, Heidenkämpfweg 66, FRG.	Finishing treatment of textile webs in fluids.
49.	135596	17-3-1971	ELI LILLY CO., of 307 Mc Carthy-Street Indianapolis, Indiana, U. S. A.	Preparing 1-substituted-2-(1, 1- difluoro- alkyl)-1 H-1-midazo (4, 5-6) pyridine compounds.
50.	135609	4-7-1972	TEVA MIDDLE EAST PHARMACEU- TICAL & CHEMICAL WORKS LTD., Barth Vegan, Jerusalem, Israel.	Preparation of new derivatives of 4-chloro- 5-sulphamoyl nicotinic acid.
51.	135613	30-8-1972	SHALL INTERNATIONAL RESEARCH MAATSHAPPIJ B. V., of Carel van Bylandtlaan 30, 2nd Hague, The Nether- lands.	Removal of soot and sulphur compounds from crude gas generated by partial combustion of carbonaceous fuel.
52.	135619	7-6-1972	LABAZ of 39, avenue Pierre ler de Serbie 39, 75008 Paris, France.	Preparation of benzo (B) thiophene deri- vatives.
53.	135622	23-5-1972	FARBWERKE HOECHST AG., of 45 Erbenstrasse, Frankfurt/Main 60, FRG.	Water insoluble monoazo dyestuffs.
54.	135630	27-6-1972	Do.	Preparation of N-alkyl-carbazoles.
55.	135634	6-6-1972	SOCIETE MINIERE ET METALLUR- GIQUE DE PENARROYA, 1, Boule- vard de Vaugirard, Paris, France.	Production of lead oxide with high free lead content.
56.	135639	2-8-1972	THE RUBBER RESEARCH INSTITUTE OF MALAYA OF 3rd Mile Ampang Road, Kuala Lumpur, Malaya.	Recovering protein from natural rubber.
57.	135653	16-9-1971	TEXACO DEVELOPMENT CORPORA- TION of 135 East, 42nd Street, New York, State of New York 10017, U. S. A.	Catalytic cracking of naphtha and gas oil
58.	135663	5-7-1972	MICHIO ITOH, MASAYUKI ISHI- KAWA, TAKASHI TSUCHIYA and TAKIO SHIMAMOTO all Japanese Na- tionality.	Production of 4-hydroxy-1-methyl-2, 2, dihydrophthalazine.
59.	135690	24-10-1972	FMC CORPORATION, of 633 Third Avenue, New York, New York-10017, U.S. A.	Producing carbonaceous iron bearings briquettes.
60.	135692	5-5-1972	SHALL INTERNATIONAL RESEA- RCH MAATSHAPPIJ B. V., of Carel van Bylandtlaan 30 2nd Hague, 2nd Netherlands.	Manufacture of gas mixtures by the partial combustion.
61.	135702	27-4-1972	FARBWERKE HOECHST AG., of 6230, Frankfurt/Main 80, FRG.	Preparation of pigment preparations.

1	2	3	4	5
62.	135706	2-5-1972	IMPERIAL CHEMICAL INDUSTRIES LIMITED, of Imperial Chemical House, Millbank, London SW1, England.	Manufacture of new prostanoic acid derivatives.
63.	135724	20-4-1972	PFIZER CORPORATION, of Calle 15/1/2 Avenida Santa Isable, Colon, Republic of Panama.	Preparing cyclic thiomidates.
64.	135734	30-6-1972	C.S.I.R., Rafi Marg, New Delhi-1, India.	Production of kerosene and diesel oil from heavy stocks of petroleum.
65.	135741	1-5-1972	SHERITT GORDON MINES LTD., of 25, Kings Street West, Toronto, Ontario, Canada.	Production of nickel powder from basic nickel carbonates.
66.	135744	20-4-1972	LABAZ of 39, avenue Pierre ler de Serbie 39, 75008 Paris, France.	Compositions containing indole derivatives.
67.	135745	21-10-1972	HOEOHST AG., of 45 Bruningstrasse, Frankfurt/Main 80, FRG.	Extrusion of highly viscous thermoplastics on a single screw extruder.
68.	135746	25-5-1972	AMERICAN HOME PRODUCTS CORPORATION, of 685 third Avenue, New York-17, U.S.A.	Preparation of 1, 3-dihydro-3-hydro-5-phenyl-2H-1, 4-benzodiazepin-2 one substituted diamino acetate esters and their acid salts.
69.	135748	26-6-1972	FARBWERKE HOECHST AG., of 6230 Frankfurt/Main 80, FRG.	Process for diazotising amines.
70.	135758	25-4-1972	ELKEM SPIGER VERKET A/S of Elkemhuset, Middlethusgate 27, Oslo 3, Norway.	Method of treating silic dust.
71.	135775	23-5-1972	FARBWERKE HOECHST AG., of 6230 Frankfurt/Main 80, FRG.	Preparation of benzoxazolones (2) & benzothiazolones (2).
72.	135780	22-8-1972	E. I. DU POINT EXT., Wilmington, Delaware, U.S.A.	Preparation of texture polyester yarn.
73.	135787	20-4-1972	IMPERIAL CHEMICAL INDUSTRIES LTD., of Imperial Chemical House, Millbank, London, SW1 England.	Manufacture of morpholine derivatives.
74.	135796	21-4-1972	SHELL INTERNATIONALE RESEARCH MAAT SCHAPPIJ B. V., of Carel van Bylndtlaan 30, the Hague the Netherlands.	Preparation of cycloprapane derivatives.
75.	135797	13-8-1973	SNAMTROGETTI S. P. A. of 16 Corso Venezia, Milan, Italy.	Production of L-tryptophan.
76.	135799	17-5-1972	THE GOODYEAR TIRE AND RUBBER COMPANY, of 1144 East Market Street, Akron, Ohio, U.S.A.	Preparation of age resistant polymers.
77.	135803	3-5-1972	UOP INC., at Ten UOP Plaza-Alonquin and Mt. Prospect Roads, Des Plaines, Illinois U.S.A.	Fluidised catalytic cracking process.
	135805	23-10-1972	TEXACO DEVELOPMENT CORPORATION, of 135 East, 42nd Street, New York, State of New York—10017, U.S.A.	Production of reducing gas.
78.	135810	4-9-1972	FARBWERKE HOECHST AG., of 6230 Frankfurt/Main 80, FRG.	Preparation of fast dyeings and prints on fibrous material.
79.	135863	5-7-1972	RHONE-PROGIL, of 6 rue Piccine, 75, Paris 16e, France.	A process for carrying out bulk polymerisation.
80.	135874	22-5-1972	RHONE-POULENC S. A., of 22 Avenue Montaigne, Paris, 8, France.	Preparing anisotropic sulphenated polyaryl ether sulphone membrane.
81.	135877	23-5-1972	F. HOFFMANN-LA ROCHE & CO., of 124-184 Grenzacherstrasse, Basle, Switzerland.	Package for maintaining non-spor forming bacteria.
82.	135878	20-6-1972	INCO EUROPE LIMITED (formerly known as International Nickel Limited) of Thames House, Millbank, London SW1P 4QF, England.	Method of obtaining a coloured chromium containing alloy.
83.	135879	27-7-1972	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Soap Sulphonate tablets.
84.	135887	19-7-1972	C.S.I.R. Rafi Marg, New Delhi-1, India	Synthesis of N-Substituted 3-amino-acrylophenones.

1	2	3	4	5
85.	135893	5-5-1972	F. HOFFMANN-LA ROCHE & CO., AG of 124-184 Grenzacherstrasse, Basel, Switzerland.	Manufacture of oxo compounds.
86.	135899	23-5-1972	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Protecting hyochlorites for inclusion in a detergent composition.
87.	135900	27-4-1972	HORIZONS RESEARCH INCORPORATED, of 23800 Merchantile Road, Cleveland, Ohio, U.S.A.	Controlled polymerisation of hexachlorophosphazene.
88.	135902	10-7-1972	THE GOODYEAR TIRE & RUBBER COMPANY, of 1144 East Market Street, Akron, Ohio, U.S.A.	Preparation of 2-(4-morpholino dithio)benzothiazole
89.	135937	4-7-1972	FARBWERKE HOECHST AG. of 6230, Frankfurt/Main 80, FRG.	Preparation of color soluble reactive xanthene dyestuff.
90.	135942	7-9-1972	Do.	Preparation of 5-(amino benzenesulfonyl amino) benzimidazolone.
91.	135945	20-6-1972	MITSUBISHI RAYON CO LTD, of Kyabashi-2-chome, chuo-ko-, Tokyo, Japan.	Continuous production of methyl methacrylate.
92.	135948	16-8-1972	SNAMPROGETTI S. P. A. of 16 Corso Venezia, Milan, Italy.	Oxidising an olefin.
93.	135953	30-11-1972	TEXACO DEVELOPMENT CORPORATION, of 135, East 42nd Street, New York, State of New York 10017, U.S.A.	Burner for the partial oxidation of hydrocarbon to synthesis gas.
94.	135967	20-4-1972	THE WELLCOME FOUNDATION LIMITED, of 183-193 Euston Road, London N. W. 1, England.	Preparation of 2, 4 diamino- 5-benzylpyrimidines
95.	135973	15-5-1972	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20.	Preparation of trisodium chlorophosphate.
96.	135975	5-12-1972	USS ENGINEERS AND CONSULTANTS INC., of 600 Grant Street, Pittsburgh, State of Pennsylvania, U.S.A.	Bottom blown process for the refining of molten iron.
97.	135976	20-7-1972	IMPERIAL CHEMICAL INDUSTRIES LTD., of Imperial Chemical House, Millbank, London SW1, England.	Copolymerization of olefins.
98.	135983	22-5-1972	RHONE-POULENC S. A., of 22 Avenue, Montaigne, Paris, 8e, France.	Preparation of an anisotropic sulphonate polyaryl ether/sulphone memberane.
99.	135989	8-5-1972	SHINETSU CHEMICAL CO., 6-1, Chemichu, 2-chome chiyoda-ku, Tokyo, Japan.	Suspension polymerising vinyl chloride.
100.	136010	6-9-1972	FMC CORPORATION, of 633 Third Avenue, New York, State of New York-10017, U.S.A.	Curing of green briquettes with air.
101.	136017	28-4-1972	AHMEDABAD TEXTILE INDUSTRIES RESEARCH ASSOCIATION, at P. O. Polytechnic Ahmedabad-Gujarat, India.	Preparation of granular alkali metal salts of carboxymethyl ethers of polysaccharides.
102.	136025	20-7-1972	Dr. CARL HAHN GMBH., of Kaiserswertherstrasse 270, 400 Dusseldorf, West Germany.	Manufacture of tampons.
103.	136028	11-7-1972	NORDMARK WERKE GMBH OF Hamburg, Werke, Vetsen/Holstein, West Germany.	Production of 2-(indanyl-4-amino)-2-amidazoline.
104.	136039	7-6-1972	LABAZ., of 39 Avenue Pierre ler de Serbie 30, 75008, Paris, France.	Preparation of benzo (b) thiophene
105.	136064	10-1-1973	CIBA OF INDIA LTD., Aarey Road, Goregaon East, Bombay-63, Maharashtra, India.	Manufacture of azo compounds.
106.	136069	5-5-1972	R & L molecular Research Ltd., of 8045 Argyle Road, Edmonton, Alberta, Canada.	Preparation of 7-(Co-aminomethylphenyl acetamide) & 7-(Co-aminomethylphenylthioacetamide) cephalosporin.
107.	136076	28-4-1972	HINDUSTAN LEVER LTD., of Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20.	Dyestuff composition preparation.
108.	136091	9-8-1972	Do.	Securing powder.

1	2	3	4	5
109.	135022	27-12-1972	E. I. DU PONT ETC., of Wilmington, Delaware, U.S.A.	Multistage iridium chloride oxidation process.
110.	136094	31-1-1973	FARBWERKE HOECHST AG., of 45 Bruning-strasse Frankfurt/Main 80, FRG.	Preparation of 1-hydroxy-2 pyridones.
111.	136095	7-10-1972	SOCIÉTÉ D'ÉTUDES DE PRODUITS CHIMIQUES, of 16 rue Kleber, 92130, Issy-les-Moulineaux, France.	Preparation of isopropylamino pyrimidine derivatives.
112.	136108	20-6-1972	FARBWERKE HOECHST AG., of 45 Bruning-strasse, Frankfurt/Main 80, FRG	Preparation of chloroformic acid esters and cyclic condensation aryl
113.	136109	19-7-1972	C.S.I.R., Rafi Marg., New Delhi-1, India	Synthesis of N-substituted, 3-aminomethylchromans.
114.	136123	1-8-1972	CIBA - GIEGY AG., of 141 Klybeckstrasse, Basl, Switzerland.	Manufacture of new dyestuff salts.
115.	136128	28-12-1972	INCO EUROPE LIMITED (formerly known as International nickel limited) of Thames House, Millbank, London SW1P 4QT, England.	Producing high temperature alloys.
116.	136157	20-4-1972	THE WELLCOME FOUNDATION LTD., of 183-193, Euston Road, London N.W 1, England.	Preparation of amino purine derivatives
117.	136168	5-1-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. of Carel van Bylandtlaan 20, The Hague, The Netherlands.	Production of silver catalysts.
118.	136170	25-5-1972	GEORGE KOHLER, of 2279 Tamapais Avenue El Cerrito, California 94530 U.S.A. and EMANUEL M. BICKOFF, of 26 Binnacle Hill Oakland, California 94618, U.S.A.	Process for fractionating a juice derived from green vegetable material.
119.	136181	11-6-1973	MONSANTO COMPANY, at 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Preparing 1, 2, 3- trichloropropane.
120.	136182	20-4-1972	JANSEN PHARMACEUTICA N.V., of Turnhoutsebaan 30, Beerse, Belgium.	Preparation of imidazol (2, 1-b) thiazoles
121.	136183	Do.	Do.	Preparation of 5, 6-dihydro-limidazo (2, 1-b) thiazoles.
122.	136197	Do.	SANKYO CO. LTD. LIMITED, of No. 1-6, 3- chome, 1-chome, Hon-cho, Chiyoda-ku, Tokyo, Japan.	Preparing benzodiazepine derivatives.
123.	136198	31-10-1972	ECAR PRODUCTS INC., of Wilmington, Delaware, U.S.A.	De-inking printed waste cellulosic stack.
124.	136204	3-4-1972	UNILEVER LIMITED, of Unilever House, Blackfriars, London E.C. 4, England.	An immemtal cheese flavouring composition.
125.	136225	11-4-1972	HOOKER CHEMICAL CORPORATION, of Niagara Falls, New York, State of New York, U.S.A.	Chlorine dioxide generating system.
126.	136235	23-5-1972	UOP INC., at Ten UOP Plaza- Algonquin and Mt. Prospect Roads, Des Plaines, Illinois U.S.A.	Hydrocarbon conversion process.
127.	136237	21-8-1972	FARBWERKE HOECHST AG., of FRG.	Preparation of novel water-soluble monoazo dyes.
128.	136242	3-5-1972	Do.	Do.
129.	136248	27-4-1972	ALKOHOL LTD. of No. 1-39, 2-chome Ikenohat, Tokyo, Japan.	A desulfurizing agent for a molten pig iron.
130.	136254	5-3-1971	FARBWERKE HOECHST AG., of FRG	Optical brightening of organic material.
131.	136262	17-8-1972	Do.	Preparation of new water soluble monoazopyrazolone dyes.
132.	136271	6-9-1972	FMC Corporation, of 633 Third Avenue New York-17, State of New York, U.S.A.	Preparation of substituted dioxanes.
133.	136272	29-5-1973	FARBWERKE HOECHST AG. of FRG.	Preparation of 3-nitro 4- amino toluene.
134.	136274	21-3-1973	MONSANTO COMPANY, at 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Producing N-Phosphonomethyl glycine.

1	2	3	4	5
135.	136281	20-4-1972	CLIN-MIDY, FORMERLY KNOWN AS ESTABLISHMENTS CLIN BYLA. of 20 Rue Des Fosses, Saint-Jacques, Paris, France.	Preparation of benazdiazepin.
136.	136300	8-5-1972	HINDUSTAN LEVER LIMITED, of Hindustan Lever House, 165-166 Back-bay Reclamation, Bombay-20.	Bleaching of Khakan fat.
137.	136321	19-5-1972	SHERIFF GORDON MINES LTD., of Commerce Court West, Toronto, Ontario Canada.	Production of nickel powder from basic nickel carbonate.
138.	136326	20-4-1972	ELI LILLY CO., of 749 South Salt Alabam Street, Indianapolis, U.S.A.	Preparation of Cephalosporin antibiotic
139.	136331	12-5-1973	ČESKOSLOVENSKÁ AKADEMIE, No. 3 Narodní Prague 1, Czechoslovakia.	Manufacture of native microbial Protein with low content of nucleic acids.
140.	136339	30-8-1972	CIBA-GEIGY AG., of 141 Klybeckstrasse, Sasse, Switzerland.	Manufacture of new diazo pigments.
141.	136340	5-1-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., of Carel van Dylandtlaan 30, The Hague, Netherlands.	Preparation of ethylene oxide.
142.	136341	10-1-1973	CIBA-GEIGY OF INDIA LIMITED, of Aarey Road, Goregaon, East, Bombay-63, Maharashtra, India.	Manufacture of azo compounds.
143.	136346	4-8-1972	TECHNICON INSTRUMENTS CORPORATION, of 511, Benedict Avenue, Tarrytown, N. Y., U.S.A.	Apparatus for continuous casting.
144.	136349	11-7-1972	FARBWERKE HOECHST AG., of 45 Bruningstrasse, Frankfurt/Main 80, FRG	Preparation of fluorocarbon waxes.
145.	136368	10-8-1972	CIBA OF INDIA LTD., of Aarey Road, Goregaon East, Bombay-63, Maharashtra, India.	Dyeing of synthetic fibre material and of mixture thereof.
146.	136375	1-12-1972	EISENWERK-GESELLSCHAFT MAXIMILIANSHUTTE m.b.h., of 8458 Sulzta in Rosenberg, Hutt, West Germany.	Refining low phosphorous pig iron to make steel.

#### PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
137029 (29-7-72)	Method of preparing diagnostic reagent for Australia antigen or the antibody thereof.
137116 (10-10-72)	Process for preparation of 2, 4-triamino-5-benzylpyrimidine.
137124 (7-8-72)	Process and installation for the oxidation of an oxidisable substance, notably a hydrocarbon.
137184 (4-10-72)	Metallurgical process.
137236 (3-12-73)	Process for detoxifying nutritive material containing tannins.
137271 (19-7-72)	Process for producing 7-acylamido-3-cepham 4-carboxylic acid.

#### PENEWAL FEES PAID

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105388 105471 105718 106317 108071 110429 110548 110581  
110650 110681 110764 110868 111005 111193 111258 114461  
114566 115866 115902 115948 116093 116160 116169 116172  
116209 116357 116385 116444 119858 121217 121246 121253

121260 121283 121347 121349 121348 121422 121527 121609  
121636 121658 121666 121714 121848 121914 125530 126509  
126516 126522 126523 126548 126549 126550 126556 126560  
126608 126648 126759 126786 126800 126829 126892 126897  
127033 127856 130120 130447 131239 131242 131282 131312  
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131469 131471 131486 131488 131511 131514 131696 131697  
131728 131831 133362 133363 135363 135369 135377 135384  
135506 135574 135645 135914 135932 136088 136133 136134  
136241 136319 136321 136430 136681 136760 136904 137044  
137705 138592 138636 138649 138686 138687 138714 138787  
139111 139154 139246 139515 139623 139726 139844 139978  
140143 140206 140454 140709 140907 141051 141204 141276  
141302 141478 141503 141519 141527 141578 141758 141916  
141937 142068 142072 142087 142381 142382 142560 142599  
142821 143001 143027 143134 143366 143441 143512 143596  
143794 143834 143859 143951 144006 144086.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

- Class 1. No. 146789. Pioneer Electronics Enterprises, 9/28, Bijaygarh, Jadavpur, Calcutta-700032, West Bengal, an Indian Partnership Firm, "Voltage stabiliser". March 8, 1978.
- Class 1. No. 146792. Uttarakhand Tools Udyog, Muni Ki Reti Rishikesh, U.P., an Indian Proprietorship concern. "A knife freshner". March 10, 1978.
- Class 1. No. 146793. Uttarakhand Tools Udyog, Muni Ki Reti Rishikesh, U.P., an Indian Proprietorship concern. "A central groove cutter". March 10, 1978.
- Class 1. No. 146794. Uttarakhand Tools Udyog, Muni Ki Reti Rishikesh, U.P., an Indian Proprietorship concern. "A bark shaver". March 10, 1978.
- Class 1. No. 146847. Emco Electricals Private Limited, an incorporated under the Companies' Act, at 94, Negindas Master Road, Bombay-400 023, Maharashtra, India. "Brake drum". March 23, 1978.
- Class 1. No. 146867. Surjan Singh, 33, Shakespeare Sarani, Calcutta-700 017, West Bengal, an Indian National. "Motor vehicle steering lock". March 30, 1978.
- Class 1. No. 146879. Steel Tools Corporation, 9986, Baldev Bhavan, Sarai Rohilla, New Rohtak Road, New Delhi-110005, an Indian Partnership Concern "Die-handle". April 1, 1978.
- Class 1. No. 146882. Business Associates, an Indian Sole Proprietary firm, of 52, Urvashi, 66, Nepsean Sea Road Bombay-400 006, Maharashtra, India. "Locking device". April 3, 1978.
- Class 1. No. 146918. Guru Tegh Bahadur Toys Industries, an Indian Proprietary Concern, 55, West Avenue Road, Punjabi Bagh, New Delhi-110026, India. "Chair". April 10, 1978.
- Class 1. No. 146930. Wajids Sons Export, Wajid House, Price Road Moradabad, U.P., an Indian Partnership firm. "Coffee pot". April 12, 1978.
- Class 1. No. 146932. Metal Box Limited, of Queens House, Forbury Road, Reading, Berkshire, England, a British Company. "A container". October 19, 1977. (U.K.)
- Class 1. No. 146934. Kanulal Hajibhai Mistry, Kansara Bazar, Sihor, Gujarat State, Pin-364240, (Indian). "Pad-lock". April 13, 1978.
- Class 1. No. 146951. Applied Electronics Limited, A company incorporated under the provisions of Indian Companies Act, of Apath House, A-5, Wagle Industrial Estate Thane-400602, State of Maharashtra, India. "Line Regulator". April 17, 1978.
- Class 1. Nos. 146957 & 146978. Ecofil Appliances Pvt. Ltd., of "Vandhana", 12th Floor, 11, Tolstoy Marg, New Delhi-110011 India an Indian Company. "Flame warmer". April 19, 1978.
- Class 1. No. 146970. Punjab Metals, 306, Lotus House, New Marine Lines, Bombay, Maharashtra, India, an Indian Proprietary firm "Sugar bowl". April 22, 1978.
- Class 1. No. 146971. Punjab Metals, 306, Lotus House, New Marine Lines, Bombay, Maharashtra, India, an Indian Proprietary firm. "Milk jug". April 22, 1978.
- Class 1. No. 147018. Union Carbide India Limited an Indian Company of 1, Adda Street, Calcutta-700071 West Bengal India. "Incandescent lamp". May 3, 1978.
- Class 1. No. 147248. Ashok Kumar (Sole Proprietor) trading as Ambika Wool Centre, 21/4 Shakti Nagar, Delhi-110 007 (India) Indian National. "Wool and/or yarn winder". June 24, 1978.
- Class 1. No. 147251. Ajit Singh Gill, Indian National, Prop: Globe Engineers, 335, Brown Road, Ludhiana, Punjab. "Clothing washing machine". June 24, 1978.
- Class 1. No. 147255. Abdul Ghani & Sons also trading as A. G. & Sons, Gali Beri Wali, Ahata Kedara, Near Hindu Rao, Delhi-110006, an Indian Partnership Concern. "Sugar dispenser". June 27, 1978.
- Class 1. No. 147257. Gama Industries, 410/417, Bharat Industrial Estate, T. J. Road, Sewri, Bombay-400015, Maharashtra, an Indian Proprietary firm "Pen-stand-cum slip box". June 28, 1978.
- Class 3. No. 145835. Paramount Products, an Indian Partnership Concern, 809, Prasad Chambers, Bombay-400 004, (Maharashtra State). "Plastic container". July 16, 1977.
- Class 3. No. 145324. Mrs. Neeta Purnam Mansey, an Indian National of H-18, Gita Society, Synagogue Street, Pune-411 001, Maharashtra State. "Bottle stopper". December 9, 1977.
- Class 3. No. 146817. Everest Marketing and Agencies, 32, Mahal Industrial Estate, Mahakali Caves Road, Andheri East, Bombay-400093, Maharashtra, an Indian Partnership Firm. "Packing ribbon". March 16, 1978.
- Class 3. No. 146823. Vijay Chhotalal Kamdar, 2. Dominic Francis Gracias, 3. Ashok Shivshankar Rajgor and 4. Jagdish Chhotalal Kamdar, all Indian Nationals, carrying on business in partnership in the firm name of Radiant Electronics, at 128, Unique Industrial Estate, Prabhadevi, Bombay-400025, State of Maharashtra, India. "Light dimmers-cum fan regulators". March 18, 1978.
- Class 3. No. 146824. Vijay Chhotalal Kamdar, 2. Dominic Francis Gracias, 3. Ashok Shivshankar Rajgor and 4. Jagdish Chhotalal Kamdar, all Indian Nationals, carrying on business in partnership in the firm name of Radiant Electronics, at 128, Unique Industrial Estate, Prabhadevi, Bombay-400025, State of Maharashtra, India. "Cover for light dimmers-cum fan regulators". March 18, 1978.
- Class 3. No. 146868. The National Radio & Electronics Co. Ltd. an Indian Company of Mahakali Road, Chakala Andheri (East), Bombay-400 093, Maharashtra, India. "A calculator". March 30, 1978.
- Class 3. No. 146906. U.S. Products a registered partnership firm, at 108/109, Lohi Ki Chawl, Maulana Azad Road, Bombay-400 008, Maharashtra, India. "Contrin". April 5, 1978.
- Class 3. No. 146912. Eklind Elektro System, 306, Auto Commerce House, Kennedy Bridge, Nanachowk, Bombay-400 007, Maharashtra State, India, an Indian Partnership Firm "Automobile gear lever knob". April 7, 1978.
- Class 3. No. 146919. Central Plastics, 4, Ghodbunder Road, Scami Vivekanand Road, Malad, Bombay-400064, Maharashtra State, Indian Partnership firm. "Comb". April 10, 1978.
- Class 3. No. 146920. Bombay Burma Plastics, 119, Adhyaru Industrial Estate, Sunmill Compound, Sunmill Pond, Lower Parel, Bombay-400013, Maharashtra State, an Indian Partnership Firm "Car cassette". April 10, 1978.
- Class 3. No. 146921. SIF Products, 84/94, Central Studio House Near Air-conditioned Market, Tardeo, Bombay-400034, Maharashtra State, an Indian Partnership Firm. "Pen stand with ball pen". April 10, 1978.



Class 3. No. 146922. Brahma Bharati Udyog, 119, Adhyau Industrial Estate, Sunmill Compound, Sunmill Road, Lower Parcel, Bombay-400013, Maharashtra State, India, an Indian Partnership Firm "Puzzle game". April 10, 1978.

Class 3. No. 146931. Raj Kumar Rai, of Madhya Pradesh Timber Works, Sunderlal Rai Path, New Ramdas Peth, Nagpur-400010, Maharashtra State, India, an Indian National. "Container". April 13, 1978.

Class 3. No. 146945. Alliance Plastic Works, a firm registered under the Indian Partnership Act, 1932 of P-36, India Exchange Place, Room No. 46, 3rd Floor, Calcutta-700001, "Shell". April 17, 1978.

Class 3. No. 146956. David Sushil Pillai, of L/13, Rajouri Garden, New Delhi-110027, India, an Indian National. "Emergency light". April 19, 1978.

Class 3. No. 146962. Mikron Industries, of 54, Gupta House, 2nd Marine Street, Dhobi Talao, Bombay-400002, State of Maharashtra, India, a partnership firm. "Water filter". April 22, 1978.

Class 3. No. 146977. Rumi Plastics, an Indian Registered Partnership Firm at Indian Metal Forging Mill Compound, Opp. Bharat Spinning, Vikhroli (West), Bombay, Maharashtra, India "Container with handle". April 25, 1978.

Class 3. No. 147019. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700071 West Bengal, India. "Fluorescent lamp". May 3, 1978.

Class 3. No. 147051. Tobu Enterprises Private Limited, 8/29, Industrial Area, Kirti Nagar, New Delhi-110015, (India). An Indian Company. "Toy car". May 9, 1978.

Class 3. No. 147110. Alliance Plastic Works, a firm registered under the Indian Partnership Act, 1932, of P-36, India Exchange Place, Room No. 46, 3rd Floor, Calcutta-700001. "Dish". May 24, 1978.

Class 3. No. 147229. Sheth & Sheth Industries, Janmabhoomi Chambers, Walchand Hirachand Marg, Bellard Estate, Bombay-400001, Maharashtra, India, an Indian Proprietary firm. "Gas lighter". June 19, 1978.

Class 3. No. 147236. Gama Industries, 410/417, Bharat Industrial Estate, T. J. Road Sewri, Bombay-400015, Maharashtra, an Indian Proprietary Firm "Letter-cum-paper holder". June 20, 1978.

Class 3. No. 147237. Gama Industries, 410/417, Bharat Industrial Estate, T. J. Road Sewri, Bombay-400015, Maharashtra, an Indian Proprietary firm. "Water ball game". June 20, 1978.

Class 3. No. 147238. Gama Industries, 410/417, Bharat Industrial Estate, T. J. Road, Sewri, Bombay-400015, Maharashtra, an Indian Proprietary Firm. "Pen stand-cum-tape dispenser". June 20, 1978.

Class 3. No. 147256. H. B. Dhananendrapa & Bror., an Indian Partnership Firm, of Bellulligally Davangere-1, Karnataka, India. "A container". June 28, 1978.

Class 1. Nos. 146895 & 146896. M/s. Revenjon Cosmetics, of 35, Sambekar Street, A. Sattar Building, 1st Floor, Bombay-400003, State of Maharashtra, India. "A bottle". April 5, 1978.

Class 4. No. 146935. Glenmark Pharmaceutical Private Limited, (A Private limited Company incorporated under the Indian Companies Act), B 2, Mahalaxmi Chambers, 22, Bhuabhai Desai Road, Bombay-400026, Maharashtra State, India. "Bottle". April 14, 1978.

Class 4. No. 146942. Tripata Trading Company, New Market, 1st Floor, Bombay-400002, State of Maharashtra, India, an Indian Proprietary Concern. "Glass bottle". April 14, 1978.

Class 4. No. 146988. Richardson Merrell Inc., a Corporation organized under the laws of the State of Delaware, at Ten Westport Road, Wilton, Connecticut 06897, United States of America. "A bottle" April 28, 1978.

Class 4. No. 147252. Dr. Aman Prasad Chakrabarty, of 22, 2A, Raja Manindra Road, Calcutta-37, W.B., India, Nationality—Indian. "The bottle". June 26, 1978.

Class 5. Nos. 146941 & 146943. Tripata Trading Company, New Market, 1st Floor, Bombay-400002, State of Maharashtra, India, an Indian Proprietary Concern. "Cartons". April 14, 1978.

Class 5. No. 147034. Kamal Products, of 2, Shanti Nagar, Mukta Baug, Sainath Road, Malad West, Bombay-400064, State of Maharashtra, India, an Indian Proprietary concern. "Carton". May 6, 1978.

Class 10. Nos. 146928 & 146929. H. Mhainder Singh Vohra, Indian, the sole proprietor of M/s. Jupiter Industries situated at 115-B, Government Industrial Estate, Kandivali West, Bombay-400067, State of Maharashtra, India. "Footwear". April 11, 1978.

Class 10. No. 146960. Har Mhainder Singh Vohra, Indian, the sole proprietor of M/s. Jupiter Industries, situated at 115-B, Government Industrial Estate, Kandivali West, Bombay-400067, State of Maharashtra, India. "Footwear". April 22, 1978.

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